

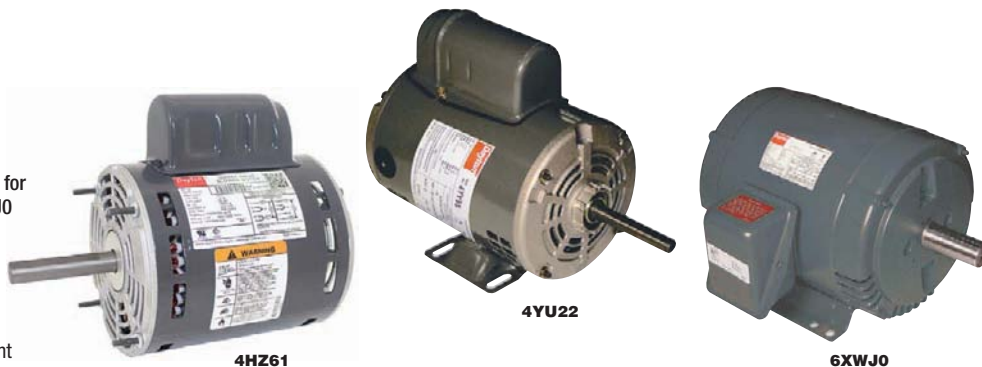
1-800-GRAINGER (472-4643)

**Dayton**

## Direct-Drive and Belt-Drive Ventilator Motors

- Thermal protection: auto, except for 4YU38, 4YU39, 4YU40, and 6XWJ0
- Max. ambient temp.: 40°C, except 4YU31 is 65°C
- Duty: continuous
- Permanent split capacitor motors include capacitor

Designed specifically as replacement motors for Dayton® ventilators.



HP	Nameplate RPM	Frame	Enclosure	Rotation	Voltage	Full Load Amps	Mounting	Bearings	Shaft Dia.	Shaft Length	Item No.
<b>Direct-Drive, Shaded Pole</b>											
1/30	1,550/1,300/1,050	3.3	Open Air-Over	CCWSE	115V AC	1.30	Stud	Sleeve	5/16 in	3 in	4YU32
	1,550/1,300/1,050	3.3	Open Air-Over	CCWSE	115V AC	1.60	Stud	Sleeve	5/16 in	3 in	4YU33
1/25	1,550	3.3	Open Air-Over	CCWSE	115V AC	1.40	Stud	Ball	5/16 in	3 in	4HZ66
1/20	1,550/1,300/1,050	4.4	Open Air-Over	CCWSE	115V AC	2.0	Stud	Sleeve	1/2 in	2 3/4 in	1AGF8
<b>Direct-Drive, Permanent Split Capacitor</b>											
1/12	850	48Y	Open Air-Over	CCWSE	115V AC	1.60	Stud	Ball	1/2 in	3 in	4HZ62
	850	48Y	Open Air-Over	CCWSE	115V AC	1.60	Stud	Ball	5/8 in	3 in	4HZ64
1/6	1,750	48YZ	Totally Enclosed Air-Over	CWLE	115V AC	1.70	Stud	Ball	1/2 in	4 1/2 in	4YY56
	1,550/1,300/1,050	48Y	Totally Enclosed Air-Over	CCWSE	115V AC	1.70	Stud	Sleeve	1/2 in	3 3/4 in	1AGF9
1/6	1,550/1,300/1,050	42Y	Open Air-Over	CCWSE	115V AC	2.6	Stud	Ball	1/2 in	2 3/4 in	4YU34
	860	48Y	Open Air-Over	CW/CCW	115V AC	2.0	Stud	Sleeve	1/2 in	2 1/2 in	4YU19
1/6	1,650	48YZ	Open Air-Over	CCWSE	115V AC	2.3	Stud	Ball	1/2 in	3 in	4HZ60
	1,140	48Y	Open Air-Over	CW/CCW	115V AC	2.2	Stud	Ball	1/2 in	2 1/2 in	4YU23
1/6	1,140	48Y	Open Air-Over	CW/CCW	115V AC	2.2	Stud	Ball	1/2 in	4 in	5BE62
	850	48Y	Open Air-Over	CCWSE	115V AC	2.4	Stud	Ball	5/8 in	3 in	4HZ68
1/4	1,725	48Y	Open Air-Over	CW/CCW	115V AC	3.6	Rigid Base	Ball	1/2 in	3 1/4 in	4YU27
	1,725	48Y	Open Air-Over	CW/CCW	115V AC	4.2	Stud	Ball	1/2 in	3 1/4 in	5BE52
1/4	1,140	48	Open Air-Over	CW/CCW	115V AC	3.2	Stud	Ball	1/2 in	2 1/2 in	4YY54
	860	56Z	Open Dripproof	CW/CCW	115V AC	4.8	Cradle Base	Ball	5/8 in	2 3/4 in	4YU20
1/4	850	48Y	Open Air-Over	CCWSE	115V AC	3.2	Stud	Ball	5/8 in	3 in	4HZ65
	1,650	48Y	Open Air-Over	CW/CCW	115V AC	4.0	Stud	Ball	1/2 in	3 in	4HZ67
1/6	1,140	56Z	Open Air-Over	CW/CCW	115V AC	4.7	Stud	Ball	5/8 in	2 3/4 in	5BE64
	1,100	48Y	Open Air-Over	CCWSE	115V AC	4.1	Stud	Ball	5/8 in	3 in	4HZ69
1/6	1,100	56Z	Open Dripproof	CW/CCW	115V AC	4.7	Cradle Base	Ball	5/8 in	2 3/4 in	4YU24
	1,100	56Z	Open Dripproof	CW/CCW	115V AC	4.7	Face	Ball	5/8 in	4 1/4 in	6TWL4
1/6	860	56HZ	Open Air-Over	CW/CCW	115V AC	5.5	Cradle Base	Ball	5/8 in	3 1/4 in	4YU21
	850	48Y	Open Air-Over	CCWSE	115V AC	4.1	Stud	Ball	5/8 in	3 in	4HZ70
1/2	1,725	48Z	Open Air-Over	CW/CCW	115/230V AC	6.0/3.0	Rigid Base	Ball	1/2 in	3 in	4YU28
	1,725	48Z	Open Dripproof	CW/CCW	115/230V AC	6.0/3.0	Stud	Ball	1/2 in	3 in	5BE54
1/2	1,650	48Y	Open Air-Over	CCWSE	115/230V AC	8.0-4.0	Stud	Ball	5/8 in	3 in	4HZ63
	1,140	56Z	Open Air-Over	CW/CCW	115/230V AC	5.4/2.7	Stud	Ball	5/8 in	2 3/4 in	5BE66
1/2	1,100	48Y	Open Air-Over	CCWSE	115/230V AC	5.2-2.4	Stud	Ball	5/8 in	3 in	4HZ61
	860	48Z	Open Air-Over	CW/CCW	115/230V AC	6.0/3.0	Rigid Base	Ball	1/2 in	3 in	4YU22
3/4	1,725	48Z	Open Air-Over	CW/CCW	115/230V AC	7.0/3.5	Rigid Base	Ball	1/2 in	3 in	4YU29
	1,725	48Z	Open Air-Over	CW/CCW	115/230V AC	7.0/3.5	Stud	Ball	1/2 in	2 1/2 in	5BE56
3/4	1,140	48Z	Open Air-Over	CW/CCW	115/230V AC	8.0/4.0	Rigid Base	Ball	1/2 in	3 in	4YY55
	1,100	48Y	Open Air-Over	CCWSE	115/230V AC	10.0-5.0	Stud	Ball	5/8 in	3 1/4 in	4HZ71
1	1,140	48Z	Open Air-Over	CW/CCW	115/230V AC	11.4/5.7	Rigid Base	Ball	1/2 in	3 in	4YU26
	1,140	48Z	Open Air-Over	CW/CCW	115/230V AC	11.4/5.7	Stud	Ball	5/8 in	3 in	5BE68
<b>Direct-Drive, Capacitor-Start</b>											
3/4	1,725	56	Open Dripproof	CW/CCW	115/208-230V AC	10.6	Cradle Base	Ball	5/8 in	1 1/8 in	4YU35
1	1,725	56Z	Open Dripproof	CW/CCW	115/208-230V AC	12.8/6.4-6.4	Stud	Ball	5/8 in	2 3/8 in	5BE58
1 1/2	1,725	56Z	Open Dripproof	CW/CCW	115/208-230V AC	13.2/7.2-6.6	Stud	Ball	5/8 in	2 1/4 in	5BE60
<b>Direct-Drive, 3-Phase</b>											
1	1,725	56	Open Dripproof	CW/CCW	208-230/460V AC	3.4-3.4/1.70	Rigid Base	Ball	5/8 in	1 1/8 in	4YU38
1 1/2	1,725	56H	Open Dripproof	CW/CCW	208-230/460V AC	4.8-4.8/2.4	Rigid Base	Ball	5/8 in	1 1/8 in	4YU39
2	1,725	56H	Open Dripproof	CW/CCW	208-230/460V AC	6.2-6.2/3.1	Rigid Base	Ball	5/8 in	1 1/8 in	4YU40
3	1,725	182T	Open Dripproof	CW/CCW	208-230/460V AC	8.5-8.0/4.0	Rigid Base	Ball	1 1/8 in	2 3/4 in	6XWJ0
<b>Belt Drive, Capacitor-Start</b>											
1/4	1,725	48YZ	Open Dripproof	CW/CCW	115/208-230V AC	6.2/2.8-3.1	Cradle Base	Ball	1/2 in	1 3/8 in	1AGG1
1/8	1,725	48Z	Open Dripproof	CW/CCW	115/208-230V AC	5.8/3.1-2.9	Cradle Base	Ball	1/2 in	1 1/8 in	1AGG2
1/2	1,725	56	Open Dripproof	CW/CCW	115/208-230V AC	7.2/3.6-3.6	Cradle Base	Ball	5/8 in	1 1/8 in	1AGG3
1	1,725	56	Open Dripproof	CW/CCW	115/208-230V AC	12.8/6.4-6.4	Cradle Base	Ball	5/8 in	1 1/8 in	4YU30
1 1/2	1,725	56H	Open Dripproof	CW/CCW	115/208-230V AC	13.2/7.2-6.6	Rigid Base	Ball	5/8 in	2 1/4 in	4YU31

### Motor to Ventilator Cross Reference

Motor	Ventilator (Used In)						Motor	Ventilator (Used In)						Motor	Ventilator (Used In)								
Belt Drive							Direct Drive							Direct Drive									
1AGG1	1MBE6	2RB59	2RB60	2RB61	3HFL6	20FT09	1AGF8	16D531	16D532	2RB53	5DVP0	5DVP1	5DVP2	5DVP3	5DVP7	4YY54	4HZ49	4HZ51	4YC73				
1AGG2	1MBE7	2RB62					1AGF9	2RB86	5TKC8							4YY55	4HZ53	4HZ55	4YC77				
1AGG3	1MBE8	2RB63	2RB64	3AT18	3HFL7		4YU19	4HZ44	4HZ46	4HZ48	4HZ50	4YC68	4YC70	4YC72	6KWK4	4YY56	4YC86						
4YU30	1MBE9	2TE33	3ATT9	3ATU7	3GY70	5PV07	4YU20	4HZ52	4HZ54	4YC73						5BE58	4YC88	4YC91	4YC92	4YC93			
4YU31	2TE34	3ATU5	3ATU9	3GY71	3HFL8	5PV08	4YU21	4YC76								5BE54	4YC49	4YC56	4YC90	4YC94			
4YU35	3ATU2	3ATU4	5PV06				4YU22	4HZ56	4HZ58							5BE56	4YC57	4YC58					
4YU38	3ATU1	3ATU3	3GY66				4YU23	16D538	20FT10	20FT12	4HZ36	4HZ38	4HZ40	4HZ42	5DVR9	5DVT1	5TKL0	6KWK5	5BE58	4YC51	4YC59		
4YU39	3ATU6	3GY67					4YU24	4YY75	5TKL1							5BE60	4YC53	4YC61					
4YU40	3ATU8	3GY68	3GY73				4YU26	4HZ57	4HZ59							5BE62	4YC48	4YC87	4YC89				
6XWJ0	2TE35	3ATV1	3GY69	3GY74			4YU27	16D535	20FT11	20FT13	2RB87	4HZ37	4HZ39	4HZ41	4HZ43	4YC69	5DVT0	6KWK6	5BE64	4YC50			
							4YU28	16D536	16D537	4YC69	4YC71	5DVP8	5DVP9	5TKC9					5BE66	4YC52	4YC54	4YC60	4YC62
							4YU29	4HZ45	4HZ47										5BE68	4YC55	4YC63		
							4YU32	16D528	16D529	4HZ32	4HZ34	4YC64	5DVP8	5DVP9	5TKC6				6TWL4	4YC72			
							4YU33	16D530	4HZ33	4HZ35	4YC65												
							4YU34	16D534	4YC66	4YC67	5DVP6	5DVP7											

**IMPORTANT MOTOR INFORMATION** | Refer to pages 3-7 for selection guidelines, standardized dimensions, thermal protection information, UL 507 Standard location information, NEMA & IEC guidelines, energy legislation information, and terminology.